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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/824,437

04/15/2004

Lutz Brunnabend

11884/412001

6301

23838

7590

06/19/2007

KENYON & KENYON LLP

1500 K STREET N.W.

SUITE 700

WASHINGTON, DC 20005

EXAMINER

CABUCOS, MARIE G

ART UNIT

PAPER NUMBER

2163

MAIL DATE

DELIVERY MODE

06/19/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/824,437	Applicant(s) BRUNNABEND ET AL.	
	Examiner Marie Antoinette Cabucos	Art Unit 2163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 February 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 April 2004 and 12 February 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Drawings*

The drawings were received on 2/12/2007. These drawings are acceptable.

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Paul Reiner (US Patent no. 6,219,676).

Regarding claims 1, 9 and 14, Reiner discloses in figures 1, 2 and 5-7 a correction server system comprising a data flow manager (38), responsive to read requests from agents (18) to a database (14a), to store a read history identifying a relationship between a database entity being read and an entity created from the database entity (col. 7, lines 28-64), and

a correction server (14b) that, when corrections are made to the database, identifies corrected entities in a corrected entity log and compares the corrected entity log against the read history to identify entities rendered possibly inconsistent due to the correction (col. 7, lines 43-64 and col. 9, lines 5-45).

3. Regarding claims 2-4, 10, 11, 15 and 16, Reiner discloses in figures 1, 2 and 5-7 a correction server system of claim 1, further comprising the reading component, which

generates a new entity (time stamp) from the database entity that is read and stores it in the database (col. 7, lines 43-64); wherein the read history log identifies leading (prior) and dependent entities (current data), a leading entity being a database entity that is read by a component and a dependent entity being a new object entity created from the database entity that is read (figure 7); wherein the read history log stores paired leading entity identifiers and dependent entity identifiers relating to the prior accesses (figure 3); and wherein the comparison is made between an entity identifier from the corrected entity log and the leading entity identifier from the read history log (col. 9, lines 5-45; data coherency).

4. Regarding claims 5, 6, 12 and 17, Reiner discloses in figures 1, 2 and 5-7 a correction server system of claim 1, wherein the correction server receives correction data that includes an identifier (reference value) of a database entity (object of the webpage) being corrected, an indication of fields within the database entity that are being changes and an identification of field values that are changed (claim 1); wherein the corrected entity log stores all the correction data noted in claim 5 (change log; col. 10, lines 15-33); and wherein the correction includes an entity identifier of the first database entity and an indication of fields (monitored areas) within the first database entity being corrected (claim 3).

5. Regarding claims 7, 8, 13 and 18, Reiner discloses in figures 1, 2 and 4-7 a correction server system of claim 1, wherein the correction server further comprises a filtering agent that compares correction information to filtering criterion and stores the correction information in the corrected entity log only if the correction information

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matches the filtering criterion (figure 4); wherein the correction server further includes a user interface that permits review and display of the corrected entity log, the user interface providing a "jump to" feature that, when activated with respect to an entry of the log causes a data entity referenced by the entry to be retrieved and displayed (figure 4, reference 100); and further comprising comparing the correction request to filtering criteria and performing the storing and comparing unless the correction request does not satisfy the filtering criteria (col. 2, lines 34-46).

6. Regarding claims 19 and 20, Reiner discloses in figures 1, 2 and 4-7 a system for identifying inconsistent data in a computer system, comprising: a first database (14) to store data generated during operation of the computer system; and a correction manager (38) to manage corrections performed in the system, the correction manager further comprising: a second database (14a) to store a list of entities corrected due to a correction performed on an entity stored in the first database; and a third database (14b) to store a list of uncorrected entities that have been identified as potentially inconsistent due to a correction performed on an entity listed in the second database; and further comprising a data flow manager (40) to manage access to the first database, the second database, and the third database by an analyzer (30), the analyzer to provide derived data to an operator of the system.

### ***Pertinent Prior Art***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art of record to Dias et al (US Patent no. 5,37,731) discloses an intelligent page store for concurrent and consistent access to a database by a transaction processor and a query processor.

Prior art of record to Hallmark et al (US Patent no. 5,452,445) discloses a two-pass multi-version read consistency.

Prior art of record to Perell et al (US Publication no. 2001/0047347) discloses a data certification and verification system having a multiple-user-controlled data interface.

Prior art of record to Hiroki Takaoka (US Publication no. 2003/0065584) discloses a vehicle sales support system, vehicle sales support program and vehicle sales support method.

Prior art of record to Burrill et al (US Publication no. 2004/0049480) discloses a system and method for processing control data.

Prior art of record to Vaitzblit et al (US Publication no. 2005/0097149) discloses a data audit system.

Prior art of record to Tschiegg et al (US Publication no. 2005/0192963) discloses a risk management information interface system and associated methods.

### ***Inquiry***

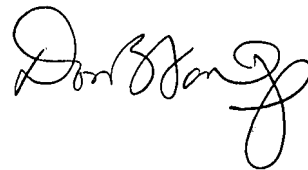
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie Antoinette Cabucos whose telephone number is 571-272-8582. The examiner can normally be reached on 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marie Antoinette Cabucos  
Examiner  
Art Unit 2163

A handwritten signature in black ink, appearing to read "Don Wong", with a stylized flourish at the end.

DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

OK to enter  
MAC 6/11/2007



Replacement Sheet  
Appl. No. 10/824,437  
Docket 11884/412001

**FIG. 5**  
500

